

Portable radio

AE2480

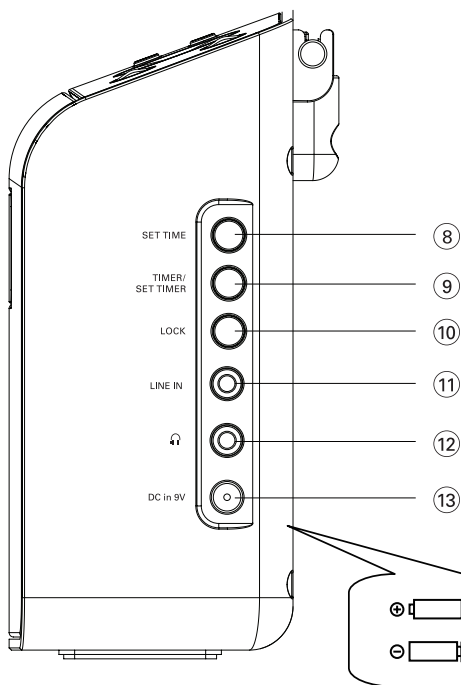
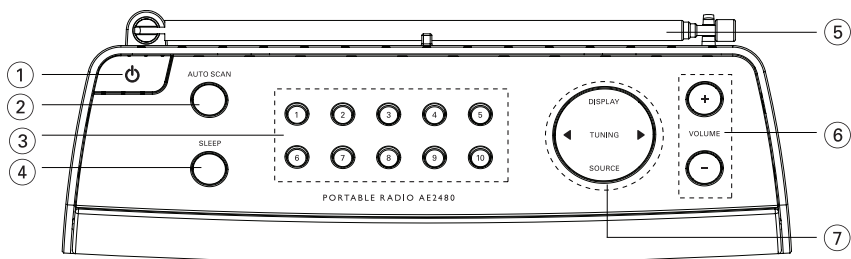
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User manual



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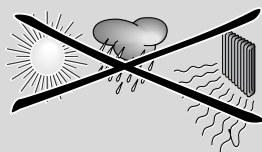


6x1.5V R14/ UM2/ C CELL

3



4



Important notes for users in the U.K.

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 3 Amp, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place. If the mains plug contains a fuse, this should have a value of 3 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 3 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L). As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or e) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.

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Supplied Accessories

- 1 x AC/DC certified switching adapter (PHILIPS, Model No.: ED4120090060A, Input: 230V~ 50Hz, 70mA, Output: 9V, 600mA)
- Audio cable


Top & front panels (see 1)

-  **1** **Power**
 - switches on/off the standby mode
 - 2** **AUTO SCAN**
 - in FM, MW, LW, and SW mode, scans stations and stores them as presets automatically
 - 3** **Number Keys**
 - press and hold to store preset stations
 - 4** **SLEEP**
 - switches the set off automatically after the set time
 - 5** **Telescopic antenna**
 - improves radio reception
 - 6** **VOLUME +/-**
 - adjusts volume level
 - 7** **DISPLAY**
 - displays time or radio frequency
- TUNING ◀/▶**
- in FM/MW/LW/SW mode, fine tunes a station

SOURCE

- selects FM, MW, LW, SW, or AUX mode

Side panel (see 1)

- 8** **SET TIME**
 - in standby mode, sets the clock
- 9** **TIMER/SET TIMER**
 - sets the time to switch on or off the set automatically
 - activates or deactivates timer
- 10** **LOCK**
 - disables all other keys
- 11**  **Headphone socket**
 - 3.5 mm stereo headphone socket
- 12** **LINE IN**
 - inlet for external sound source
- 13** **DC jack**
 - inlet for power cord

CAUTION

High voltage! Do not open. You run the risk of getting an electric shock. The machine does not contain any user-serviceable parts.

Modification of the product could result in hazardous radiation of EMC or other unsafe operation.

This set complies with the radio interference requirements of the European Union.

Power Supply

Whenever convenient, use the mains supply cord if you want to conserve battery life. Make sure you remove the plug from the set and wall outlet before inserting batteries.

Batteries (not included)

- 1 Open the battery door and insert 6 batteries, type **R-14**, **UM-2** or **C-cells**, (preferably alkaline) with the correct polarity as indicated by the "+" and "-" symbols inside the compartment (See **1**).
 - 2 Replace the battery door, making sure the batteries are firmly and correctly in place. The set is now ready to operate.
- *Incorrect use of batteries can cause electrolyte leakage and will corrode the compartment or cause the batteries to burst:*
 - *Do not mix battery types: e.g. alkaline with carbon zinc. Only use batteries of the same type for the set.*
 - *When inserting new batteries, do not try to mix old batteries with the new ones.*
 - *Remove the batteries if the set is not to be used for a long time.*

Batteries contain chemical substances, so they should be disposed of properly.

Using AC power

- 1 Check if the power voltage, **as shown on the type plate located on the rear of the set**, corresponds to your local power supply. If it does not, consult your dealer or service center.
 - 2 Connect the supplied switching adapter to the wall socket and the DC jack on the set. The set is now ready to use.
 - 3 To switch the set off completely, withdraw the power cord from the wall socket.
- Install the unit near the AC outlet and where the power plug can be easily reached.
 - Disconnect the power cord from the wall socket to protect your set during heavy thunderstorms.

- AC power cord is used as the disconnect device. It shall remain readily operable and should not be obstructed during intended use. To be completely disconnected the apparatus from supply mains, the power cord of the apparatus shall be disconnected from the mains socket outlet completely.

The type plate is located on the rear of the set.

Power consumption.8 W
Standby power consumption2 W

General information



Antennas

- For **FM**, extend, incline and turn the telescopic antenna for best reception. Reduce its length if the signal is too strong.
- For **MW**, the set uses a built-in antenna. Direct this antenna for best reception by turning the whole set.



Connecting earphones

- You can connect headphones to the headphone socket.
→ The loudspeakers will then be switched off.


Locking the set

- You can lock the set in any mode by pressing and holding **LOCK** until  appears.
→ All keys are disabled.
- To unlock the set
– press and hold **LOCK** until  disappears.


Basic operation

- 1 Connect the supplied switching adapter to the wall outlet and the DC jack on the set or insert batteries as described in **Power Supply**.
→ The clock information is displayed. (See [2])
- Press  to switch on the set.
- Press  again to switch to standby mode.
- 2 To adjust volume, press **VOLUME +/-**.



Helpful hints:

- When there is no power supply for the set, time information can still be displayed for a few minutes.
- After a few minutes,  appears and flashes and then time information is cleared.

Switching on radio

- 1 Press  to switch on the set.
- 2 Press **SOURCE** to select FM, MW, SW, or LW waveband.
→ Waveband and radio frequency are displayed (see [3]).

Auto tuning



- Press **TUNING**   and hold it for one second; the set searches a station automatically.
→ *5 r c h* appears.
→ When a station is received, search stops and *5 r c h* disappears.

Helpful hints:





- You can press any button to exit automatic search.

Manual tuning

By using this feature, it is possible to manually tune to a specific channel frequency. In addition to antenna orienting for better radio reception, the optimum reception can also be obtained by using this feature.

- In FM, MW, SW, and LW mode, press **TUNING**   to tune to stations.

Helpful hints:

- Press   once to increase or decrease the frequency by 5KHz. But the frequency change is not displayed.
- Press   twice to increase or decrease the frequency by 10KHz. The frequency change displayed is +/- 0.01MHz.

Storing preset stations automatically

- In FM, MW, SW, and LW mode, press and hold **AUTO SCAN** until **SCAN** appears.
→ The set scans stations with strong signal strength and stores them as preset stations automatically.

Storing preset stations manually

You can store up to 10 stations for each band respectively on **PRESET** for easy access.

- In FM, MW, SW, and LW mode, tune to your desired radio station (See "Auto tuning" and "Manual tuning").
- Press and hold number keys to store the preset station.

Helpful hints:

- If you have already saved a FM, MW, SW, or MW station in that preset number; it will be overwritten by a new station.
- Preset stations of each band do not overwrite each other:

Selecting a preset station

- In FM, MW, SW, and LW mode, press **NUMBER 1-10**.

Viewing clock

You can also view clock in tuner mode.

- Press **DISPLAY** repeatedly.

Setting time

You can only set time in standby mode.

- Press and hold **SET TIME** until hour digits flash.
- Press **VOLUME +/-** to set hour.
- Press **SET TIME** once to confirm.
→ The minute digits flash.
- Press **VOLUME +/-** to set minute.

- Press **SET TIME** once to confirm.
→ The set exits time setting.

Helpful hints:



- During setting time, if you press **⏻** or do not operate for more than 10 seconds, the set automatically exits time setting.

Setting timer



You can only set timer in standby mode.

- Press and hold **TIMER/SET TIMER** until **⏻** appears and hour digits flash.
- Press **VOLUME +/-** to set hour.
- Press **TIMER/SET TIMER** once to confirm.
→ Minute digits flash.
- Press **VOLUME +/-** to set minute.
- Press **TIMER/SET TIMER** once to confirm.
→ **⏻** appears.
→ Hour digits flash.
- Press **VOLUME +/-** to set hour.
- Press **TIMER/SET TIMER** once to confirm.
→ Minute digits flash.
- Press **VOLUME +/-** to set minute.
- Press **TIMER/SET TIMER** once to confirm.
→ FM, MW, SW, or LW flashes.
- Press **VOLUME +/-** or **SOURCE** to select band for timer.
→ Preset station number flashes.
- Press **VOLUME +/-** or press the desired number key to set preset station number.
- Press **TIMER/SET TIMER** once to confirm.
→ Volume level digits flash.
- Press **VOLUME +/-** to set the volume level for timer.
- Press **TIMER/SET TIMER** once to confirm and exit timer setting.

When the set ON time is reached, the set jumps to the selected waveband and preset station if the set is on.

- is switched on the set and jumps to the selected waveband and preset station if the set is off.
 -  flashes for one minute.
- When the set OFF time is reached, the set does not act if it is off.
- is switched off automatically if it is on.
 -  flashes for one minute.

Activating or deactivating timer

- Press **TIMER/SET TIMER** repeatedly to activate or deactivate the timer:
 -  appears when timer is on.
 -  disappears when timer is off.

Helpful hints:

- The function of switching timer on or off is available in both standby mode and active mode.

Setting sleep timer

You can set a certain period of time after which the set switches to standby mode automatically.


- 1 Press **SLEEP** repeatedly to select the desired period of time (in **mSLEEP**). Selection is as follows:
→SL:90->SL:60->SL:45->SL:30->SL:15->SL:00.
→z^z appears.
- 2 When you select SL:00, the sleep timer is turned off.
→z^z disappears.

Helpful hints:

- When the sleep function is active, press **SLEEP** to display the remaining time.
- Press **SLEEP** again will change sleep time to the next lower increment (for example, if the remaining time is 59 minutes, sleep time changes to 45 min, 30 min, 15 min).

AUX IN

You can listen to the sound of the connected external device through your AE2480.

- 1 Press **SOURCE** once or more to select AUX IN mode.
→  is displayed.
- 2 To avoid noise distortion, turn down the volume on your external device.
- 3 To adjust the sound and volume, use the sound controls on your external device and AE2480.

Environmental information

All unnecessary packaging material has been omitted. The packaging can be easily separated into three materials: cardboard, polystyrene and plastic.

Your set consists of materials which can be recycled if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging, dead batteries and old equipment.

Safety & maintenance information

- Place the set on a flat, hard and stable surface so that the system does not tilt.
- Do not expose the set, batteries, CDs to humidity, rain, sand or excessive heat caused by heating equipment or direct sunlight.
- The apparatus shall not be exposed to dripping or splashing.
- Adequate ventilation with a minimum gap of 15cm (6 inches) between the ventilation holes and surrounding surfaces is necessary to prevent heat build-up.
- Do not cover the ventilation openings with items such as newspapers, table-cloths, curtains, etc.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
- To clean the set, use a dry cloth. Do not use any cleaning agents containing alcohol, ammonia, benzene or abrasives as these may harm the housing.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

Hearing Safety

Listen at a moderate volume.

- Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.
- Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So after prolonged listening, what sounds "normal" can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

To establish a safe volume level:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

Listen for reasonable periods of time:

- Prolonged exposure to sound, even at normally "safe" levels, can also cause hearing loss.
- Be sure to use your equipment reasonably and take appropriate breaks.

Be sure to observe the following guidelines when using your headphones.

- Listen at reasonable volumes for reasonable periods of time.
- Be careful not to adjust the volume as your hearing adapts.
- Do not turn up the volume so high that you can't hear what's around you.
- You should use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.

Troubleshooting

If a fault occurs, first check the points listed below before taking the set for repair.

If you are unable to remedy a problem by following these hints, consult your dealer or service centre.

WARNING: *Do not open the set as there is a risk of electric shock. Under no circumstances should you try to repair the set yourself, as this will invalidate the guarantee.*

Problem

- Possible cause
- Remedy

No sound /power

- Volume not adjusted
- Adjust the **VOLUME**.
- Power cord not securely connected
- Connect the AC power cord properly
- Batteries dead/ incorrectly inserted
- Insert (fresh) batteries correctly
- Headphones connected to the set
- Disconnect headphones.

Poor radio reception

- Weak radio signal
- For **FM**, extend, incline and turn the telescopic antenna for best reception. Reduce its length if the signal is too strong.
- For **MW**, the set uses a built-in antenna. Direct this antenna for best reception by turning the whole set.

Display does not function properly / No reaction to operation of any of the controls

- Electrostatic discharge
- Switch off and unplug the set. Reconnect after a few seconds.

Disposal of your old product

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.

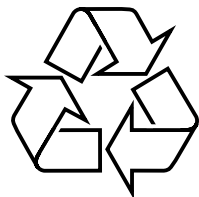


Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

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English



AE2480



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